BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARI NAGAR ZONE
O/o Executive Engineer(Ele), Rajarajeshwari nagara Zone, BBMP, Bangalore
Percentage tender Bill of Quantities

Memorandum showing the Specifications, Quantites and Rates of Items to be Executed

Name of Work : Providing Electrical M and R to Park lightings at J P Park in ward No.17 RR Nagara Zone.

Name of the Agency :- Prema Electrical Enterprises.

Sl.No	Total Qty	Description of Item	Unit	Sanctioned Estimate Rate in Rs		Amount
				In figure	In words	
1	6	Providing services of Clerk/computer operator/Dataentry operator/Tax collector/Electrician and other Skilled Workers.Skilled Electrician. Dept of labour No KAE 71 LWA 2015 Dtd:04/08/2016.	Per person per Month	13365.00	Rupees Thirteen Thousand Three Hundred and Sixty Five Only	80190.00
2	300	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistence single core wire in open or consealed system of wiring wit specified IS-694:1990 & confirming to GTP of group A.A)1.5 sqmm	Per Mtr	18.60	Rupees Eighteen Only Paise Sixty Only	5580.00
3A	6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and "C" type curve, indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10 K and complete wiring as required confirming to IEC 60898. 40-63Amps TPN	Each	1936.00	Rupees One Thousand Nine Hundred and Thirty Six Only	11616.00
3B	10	40-63 Amps SP	Each	677.00	Rupees Six Hundred and Seventy Seven Only	6770.00
4	8	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60-70Amps	Each	4774.00	Rupees Four Thousand Seven Hundred and Seventy Four Only	38192.00
5	8	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	4586.00	Rupees Four Thousand Five Hundred and Eighty Six Only	36688.00
6	375	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 16 sqmm	Per Mtr	140.40	Rupees One Hundred and Forty Only Paise Forty Only	52650.00
7	375	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm	Per Mtr	10.80	Rupees Ten Only Paise Eighty Only	4050.00
8	375	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	78.00	Rupees Seventy Eight Only	29250.00

Sl.No	Total Qty	Description of Item	Unit	Sanctioned Estimate Rate in Rs		
				In figure	In words	
9	25000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. with Double door and Top Canopy 16SWG, 25000 sqcm Each (Dimension 900*600*214 mm)	sqcm	0.33	Rupees Zero Only Paise Thirty Three Only	8250.00
10	4	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint - 40x40x6mm	mtr	263.00	Rupees Two Hundred and Sixty Three Only	1052.00
11	50	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 6 sqmm	Per Mtr	63.80	Rupees Sixty Three Only Paise Seventy Nine Only	3190.00
12	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	2727.00	Rupees Two Thousand Seven Hundred and Twenty Seven Only	2727.00
13	35	Supply and installaion / Fixing / Provision for mounting of HRC Fuse/ MCB with suitable connector/ terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 SQmm/25 Sqmm 3.5 C Al/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof having internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and / or grommets. 200x200x98mm (PWD Electrical SR 2010-11)	Each	925.00	Rupees Nine Hundred and Twenty Five Only	32375.00
14A	150	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. (Item No. - 7.21) 16 sqmm (Item No. - 7.21.6)	Each	11.31	Rupees Eleven Only Paise Thirty One Only	1696.50
14B	30	25 sqmm Long Barrel (Item No. - 7.21.8)	Each	20.59	Rupees Twenty Only Paise Fifty Eight Only	617.70
15	10800	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sq CM	0.22	Rupees Zero Only Paise Twenty Two Only	2376.00
16	35	Supply of 125W Mercury Vapour lamp with E27 Base, Lumen output greater than 6000 lumen & CRI 45.Avg Burning life greater than 20,000 hrs.	Each	164.00	Rupees One Hundred and Sixty Four Only	5740.00

	Total Qty	Description of Item	Unit	Sanctioned Estimate Rate in Rs		Amount
				In figure	In words	
17	20	Accessories-Supply of High Intensity Discharge Electro Magnetic ballast suitable for Mercury Vapour Lamp with Class H insulated copper wire Choke for Mercury Vapour Lamp - 125 Watts	Each	1029.00	Rupees One Thousand and Twenty Nine Only	20580.00
18	16	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.2) 32Amps	Each	180.00	Rupees One Hundred and Eighty Only	2880.00
19	76	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole. Upto 5Mtr street light pole.	Each	500.00	Rupees Five Hundred Only	38000.00
20	25	Above 5.5 to 7.5Mtr street light pole.	Each	620.00	Rupees Six Hundred and Twenty Only	15500.00
	Total					**399970.20**
Tender Premium:- -7.30% Below						

I Agree to carry out this work at **-7.30%** Below the rates notified above as per the directions of Engineer incharge of Work.

Contractor Seal & Sign

Executive Engineer(Electrical)
Rajarajeshwarinagar zone, BBMP